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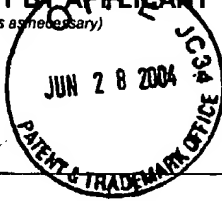
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Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)



Complete if Known	
Application Number	09/752,587
Filing Date	December 27, 2000
First Named Inventor	Uhlig, Richard
Group Art Unit	2187
Examiner Name	Takeguchi, Kathy R. Elmore

Sheet 1 of 3

Attorney Docket No: 042390.P9768

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
RIE	US-20010027511	10/04/2001	Wakabayashi, Masaki, et al.	711	163	03/14/2001
RIE	US-20020147916	10/10/2002	Strongin, Geoffrey S., et al.	713	193	04/04/2001
RIE	US-20020166061	11/07/2002	Falik, Ohad, et al.	713	200	05/07/2001
RIE	US-20020169717	11/14/2002	Challener, David C.	705	40	05/09/2001
RIE	US-20030074548	04/17/2003	Cromer, Daryl C., et al.	713	1	10/16/2001
RIE	US-20030126453	07/03/2003	Glew, Andrew F., et al.	713	193	12/31/2001
RIE	US-20030159056	08/21/2003	Cromer, Daryl C., et al.	713	193	02/15/2002
RIE	US-20030188179	10/02/2003	Challener, David C., et al.	713	193	03/28/2002
RIE	US-3,996,449	12/07/1976	Attanasio, Clement R., et al.	235	431	08/25/1975
RIE	US-4,207,609	06/10/1980	Luiz, Fernando A., et al.	710	38	05/08/1978
RIE	US-4,419,724	12/06/1983	Branigin, Michael H., et al.	710	108	04/14/1980
RIE	US-4,430,709	02/07/1984	Schleupen, Richard, et al.	711	163	07/07/1981
RIE	US-4,802,084	01/31/1989	Ikegaya, Hiroshi, et al.	711	6	02/10/1986
RIE	US-4,975,836	12/04/1990	Hirosawa, Toshio, et al.	718	100	12/16/1985
RIE	US-5,187,802	02/16/1993	Inoue, Taro, et al.	718	107	02/18/1989
RIE	US-5,230,069	02/16/1993	Brelsford, David P., et al.	718	100	10/02/1990
RIE	US-5,287,363	02/15/1994	WOLF, PAUL J.	714	718	01/01/1991
RIE	US-5,295,251	03/15/1994	Wakui, Fujio, et al.	718	100	09/21/1990
RIE	US-5,361,375	11/01/1994	Ogi, Yoshifumi	718	1	05/24/1993
RIE	US-5,469,557	11/21/1995	Salt, Tom, et al.	711	103	03/05/1993
RIE	US-5,506,975	04/09/1996	Onodera, Osama	718	1	12/14/1993
RIE	US-5,555,385	09/10/1996	Osisek, Damian L.	711	1	10/27/1993
RIE	US-5,555,414	09/10/1996	Hough, Roger E., et al.	710	261	12/14/1994
RIE	US-5,560,013	09/24/1996	Scalzi, Casper A., et al.	717	138	12/06/1994

EXAMINER

R. Elmore

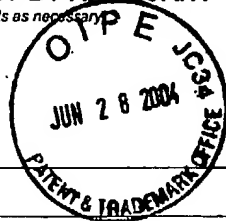
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Sheet 2 of 3

Attorney Docket No: 042390.P9768

RIE	US-5,574,936	11/12/1996	Ryba, Edward G., et al.	712	30	01/25/1995
RIE	US-5,604,805	02/18/1997	Brands, Stefanus A.	380	30	02/09/1996
RIE	US-5,633,929	05/27/1997	Kaliski, Jr., Burton S.	380	286	09/15/1995
RIE	US-5,668,971	11/16/1997	Neufeld, E. D.	711	111	12/01/1992
RIE	US-5,684,948	11/04/1997	Johnson, James S., et al.	713	200	11/01/1995
RIE	US-5,706,469	01/06/1998	Kobayashi, Souichi	710	240	09/11/1995
RIE	US-5,740,178	04/14/1998	Jacks, Steven A., et al.	714	722	08/29/1996
RIE	US-5,752,046	05/12/1998	Oprescu, Florin, et al.	713	300	12/18/1996
RIE	US-5,809,546	09/15/1998	Greenstein, Paul G., et al.	711	164	05/23/1996
RIE	US-5,935,247	08/10/1999	Pai, Hsin-Ying, et al.	713	200	09/18/1997
RIE	US-5,956,408	09/21/1999	Arnold, Todd W.	713	189	02/12/1998
RIE	US-5,978,475	11/02/1999	Schneider, Bruce, et al.	713	177	07/18/1997
RIE	US-6,044,478	03/28/2000	Green, Daniel W.	714	42	05/30/1997
RIE	US-6,088,262	07/11/2000	Nasu, Hiroaki	365	185.04	02/24/1998
RIE	US-6,093,213	07/25/2000	Favor, John G., et al.	703	27	05/16/1996
RIE	US-6,131,166	10/10/2000	Wong-Isley, Becky	713	300	02/24/1999
RIE	US-6,175,924	01/16/2001	Arnold, Todd W.	713	189	06/20/1997
RIE	US-6,188,257	02/13/2001	Buer, Mark L.	327	143	02/01/1999
RIE	US-6,199,152	03/06/2001	Kelly, Edmund J., et al.	711	207	08/22/1996
RIE	US-6,275,933	08/14/2001	Fine, Michael, et al.	713	2	04/30/1999
RIE	US-6,397,379	05/28/2002	Yates, Jr., John S., et al.	717	140	10/28/1999
RIE	US-6,529,909	03/04/2003	Bowman-Amuah, Michel K.	707	10	08/31/1999
RIE	US-6,560,627	05/06/2003	McDonald, Michael F., et al.	718	103	01/28/1999
RIE	US-6,651,171	11/18/2003	England, Paul, et al.	713	193	04/06/1999
RIE	US-20040117539	06/17/2004	Bennett, Steve E.	711	006	12/17/2002

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
RIE	EP-EP0961193	12/01/1999	Laczko, Sr., Frank L.	—	—	
RIE	EP-EP0965902	12/22/1999	Force, Gordon, et al.	—	—	

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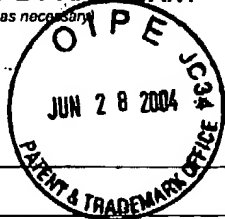
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Complete if Known

Application Number	09/752,587
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First Named Inventor	Uhlig, Richard
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
RIE	EP-EP1085396	03/21/2001	Proudlar, Graeme J., et al.	—	—	
RIE	EP-EP1271277	01/02/2003	Behar, Yaachov	—	—	
RIE	WO-WO0021238	04/13/2000	Drews, Paul C.	—	—	
RIE	WO-WO0163994	08/30/2001	Van Sant, Glen, et al.	—	—	
RIE	WO-WO0201794	01/03/2002	Ellison, Carl	—	—	
RIE	WO-WO02060121	08/01/2002	Grawrock, David W.	—	—	
RIE	WO-WO9524696	09/14/1995	Mooney, David M., et al.	—	—	
RIE	WO-WO9812620	03/26/1998	Nishiuchi, Taiki, et al.	—	—	
RIE	WO-WO99/65579	12/23/1999	Bond, Eugene T.	—	—	
RIE	WO-WO9918511	04/15/1999	Edrich, David R.	—	—	

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RIE		COULOURIS, GEORGE, et al., "Distributed Systems, Concepts and Designs", 2nd Edition, (1994), 422-424	
RIE		CRAWFORD, JOHN, "Architecture of the Intel 80386", <u>Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers and Processors (ICCD '86)</u> , (October 6, 1986), 155-160	
RIE		FABRY, R.S., "Capability-Based Addressing", Fabry, R.S., "Capability-Based Addressing," <u>Communications of the ACM</u> , Vol. 17, No. 7, (July 1974), 403-412	
RIE		FRIEDER, GIDEON, "The Architecture And Operational Characteristics of the VMX Host Machine", <u>The Architecture And Operational Characteristics of the VMX Host Machine</u> , IEEE, (1982), 9-16	
RIE		IBM CORPORATION, "IBM ThinkPad T30 Notebooks", <u>IBM Product Specification</u> , located at <a href="http://www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf">www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf</a> , last visited June 23, 2004, (July 2, 2002), 1-6	
RIE		INTEL CORPORATION, "IA-64 System Abstraction Layer Specification", <u>Intel Product Specification</u> , Order Number 245359-001, (01/2000), 1-112	
RIE		INTEL CORPORATION, "Intel 82802AB/82802AC Firmware Hub (FWH)", <u>Intel Product Datasheet</u> , Document Number 290658-004, (November 2000), 1-6, 17-28	
RIE		INTEL CORPORATION, "Intel IA-64 Architecture Software Developer's Manual", Volume 2: IA-64 System Architecture, Order Number 245318-001, (01/2000), i, ii, 5.1-5.3, 11.1-11.8, 11.23-11.26	
RIE		NANBA, S., et al., "VM/4: ACOS-4 Virtual Machine Architecture", <u>VM/4: ACOS-4 Virtual Machine Architecture</u> , IEEE, (1985), 171-178	

EXAMINER

R. Elmore

DATE CONSIDERED 9-30-2004

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# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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<b>Title of Invention</b>	<b>METHOD FOR RESOLVING ADDRESS SPACE CONFLICTS BETWEEN A VIRTUAL MACHINE MONITOR AND A GUEST OPERATING SYSTEM</b>																																																																																
<p>Application Number: 09/752587 <span style="float: right;">*09/752587*</span></p> <p>Confirmation Number: 1639</p> <p>First Named Applicant: Richard Uhlig</p> <p>Attorney Docket Number: 42P09768</p> <p>Art Unit: 2187</p> <p>Examiner: Kathy Takeguchi</p> <p>Search string: ( 3996449 or 4207609 or 4419724 or 4430709 or 4802084 or 4975836 or 5187802 or 5230069 or 5287363 or 5295251 or 5361375 or 5469557 or 5506975 or 5555385 or 5555414 or 5560013 or 5574936 or 5604805 or 5633929 or 5668971 or 5684948 or 5706469 or 5740178 or 5752046 or 5809546 or 5935247 or 5956408 or 5978475 or 6044478 or 6088262 or 6093213 or 6131166 or 6175924 or 6188257 or 6199152 or 6275933 or 6397379 or 6529909 or 6560627 or 6651171 or 20010027511 or 20020147916 or 20020166061 or 20020169717 or 20030074548 or 20030126453 or 20030159056 or 20030188179 or 20040117539 ).pn.</p>																																																																																	
<p><b>US Patent Documents</b></p> <p><b>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr> <td>R/E</td> <td>1</td> <td>3996449</td> <td>1976-12-07</td> <td>Attanasio et al.</td> <td></td> <td>235</td> <td>431</td> </tr> <tr> <td>R/E</td> <td>2</td> <td>4207609</td> <td>1980-06-10</td> <td>Luiz et al.</td> <td></td> <td>710</td> <td>28</td> </tr> <tr> <td>R/E</td> <td>3</td> <td>4419724</td> <td>1983-12-06</td> <td>Branigin et al.</td> <td></td> <td>710</td> <td>108</td> </tr> <tr> <td>R/E</td> <td>4</td> <td>4430709</td> <td>1984-02-07</td> <td>Schleupen et al.</td> <td></td> <td>711</td> <td>163</td> </tr> <tr> <td>R/E</td> <td>5</td> <td>4802084</td> <td>1989-01-31</td> <td>Ikegaya et al.</td> <td></td> <td>711</td> <td>6</td> </tr> <tr> <td>R/E</td> <td>6</td> <td>4975836</td> <td>1990-12-04</td> <td>Hirosawa et al.</td> <td></td> <td>718</td> <td>100</td> </tr> <tr> <td>R/E</td> <td>7</td> <td>5187802</td> <td>1993-02-16</td> <td>Inoue et al.</td> <td></td> <td>718</td> <td>107</td> </tr> <tr> <td>R/E</td> <td>8</td> <td>5230069</td> <td>1993-02-16</td> <td>Brelsford</td> <td></td> <td>718</td> <td>100</td> </tr> <tr> <td>R/E</td> <td>9</td> <td>5287363</td> <td>1994-02-15</td> <td>Wolf et al.</td> <td></td> <td>714</td> <td>718</td> </tr> </tbody> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	R/E	1	3996449	1976-12-07	Attanasio et al.		235	431	R/E	2	4207609	1980-06-10	Luiz et al.		710	28	R/E	3	4419724	1983-12-06	Branigin et al.		710	108	R/E	4	4430709	1984-02-07	Schleupen et al.		711	163	R/E	5	4802084	1989-01-31	Ikegaya et al.		711	6	R/E	6	4975836	1990-12-04	Hirosawa et al.		718	100	R/E	7	5187802	1993-02-16	Inoue et al.		718	107	R/E	8	5230069	1993-02-16	Brelsford		718	100	R/E	9	5287363	1994-02-15	Wolf et al.		714	718
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	10	5295251	1994-03-15	Wakui et al.		718	100
	11	5361375	1994-11-01	Ogi		718	1
	12	5469557	1995-11-21	Salt et al.		711	103
	13	5506975	1996-04-09	Onodera		718	1
	14	5555385	1996-09-10	Osisek		711	1
	15	5555414	1996-09-10	Hough et al.		710	261
	16	5560013	1996-09-24	Scalzi et al.		717	138
	17	5574936	1996-11-12	Ryba et al.		712	30
	18	5604805	1997-02-18	Brands		380	30
	19	5633929	1997-05-27	Kaliski, Jr.		380	286
	20	5668971	1997-11-16	Neufeld		711	111
	21	5684948	1997-11-04	Johnson et al.		713	200
	22	5706469	1998-01-06	Kobayashi		710	240
	23	5740178	1998-04-14	Jacks et al.		714	722
	24	5752046	1998-05-12	Opreacu et al.		713	300
	25	5809546	1998-09-15	Greenstein et al.		711	164
	26	5935247	1999-08-10	Pai et al.		713	200
	27	5956408	1999-09-21	Arnold		713	189
	28	5978475	1999-11-02	Schneider		713	177
	29	6044478	2000-03-28	Green		714	42
	30	6088262	2000-07-11	Nasu		365	185.04
	31	6093213	2000-07-25	Favor et al.		703	27
	32	6131166	2000-10-10	Wong-Isley		713	300
	33	6175924	2001-01-16	Arnold		713	189
	34	6188257	2001-02-13	Buer		327	143
	35	6199152	2001-03-06	Kelly et al.		711	207
	36	6275933	2001-08-14	Fine et al.		713	2
	37	6397379	2002-05-28	Yates et al.		717	140
	38	6529909	2003-03-04	Bowman-Amuah		707	10
	39	6560627	2003-05-06	McDonald et al.		718	103
	40	6651171	2003-11-18	England et al.		713	193

### US Published Applications

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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass

	1	20010027511	2001-10-04	Wakabayashi et al.		711	163
	2	20020147916	2002-10-10	Strongin et al.		713	193
	3	20020166061	2002-11-07	Falik et al.		713	260
	4	20020169717	2002-11-14	Challener		705	40
	5	20030074548	2003-04-17	Cromer et al.		713	1
	6	20030126453	2003-07-03	Glew et al.		713	193
	7	20030159056	2003-08-21	Cromer et al.		713	193
	8	20030188179	2003-10-02	Challener et al.		713	193
	9	20040117539	2004-06-17	Bennett		711	6

**Signature**

Examiner Name	Date
R. ELMORE	9-30-2004

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary) FEB 24 2004			Application Number	09/752,587	
			Filing Date	12/27/2000	
			First Named Inventor:	R. Uhlig, et al.	
			Art Unit	2187	
			Examiner Name	K. Takeguchi	
Sheet	1 of 1	Attorney Docket Number	042390.P9768		
<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RIE		US- 6,282,650 B1	08-28-2001	Derek L. Davis	
		US-			
		US-			
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<b>FOREIGN PATENT DOCUMENTS</b>						
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RIE		WO 01/75595	11-11-2001	Carl M. Ellison, et al.		
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RIE		IA-32 Intel <sup>®</sup> Architecture Software Developer's Manual, Volume 3: System Programming Guide, Chapter 13, 2003, Pages 13-1 through 13-24				

Examiner Signature	R. ELMORE	Date Considered	9-30-04
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## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	Method for Resolving Address Space Conflicts Between a Virtual Machine Monitor and a Guest Operating System
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Application Number: 09/752587  
Confirmation Number: 1639  
First Named Applicant: Richard Uhlig  
Attorney Docket Number: 42P09768  
Art Unit: 2187  
Examiner: Kathy K. Takeguchi  
Search string: ( 4162536 or 4276594 or 4307447 or 5317705  
or 5504922 or 5564040 or 5582717 or 5825875  
or 6173417 or 6378068 ),pn.



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### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
REF	1	4162536	1979-07-24	Morley, Richard E.		714	18
REF	2	4276594	1981-06-30	Morley, Richard E.		713	600
REF	3	4307447	1981-12-22	Provanzano, Salvatore R., et al.		700	1
REF	4	5317705	1994-05-31	Gannon, Patrick M., et al.		718	100
REF	5	5504922	1996-04-02	Seki, Yukihiro , et al.		703	25
REF	6	5564040	1996-10-08	Kubals, Jeffrey P.		711	13
REF	7	5582717	1996-12-10	Di Santo, Dennis E.		210	86
REF	8	5825875	1998-10-20	Ugon, Michel		380	4
REF	9	6173417	2001-01-09	Merrill, John W.		714	15
REF	10	6378068	2002-04-23	Foster, Mark J.		713	1

### Remarks

Note: Remarks are not for responding to an office action.

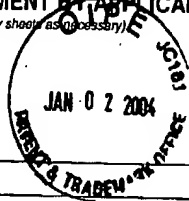
Applicants, in accordance with their duty of disclosure under 37 CFR 1.56 and in accordance with 37 CFR 1.97(b)(3), hereby submit this Electronic Information

Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. This Electronic Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR 1.97(b), no fee should be required for the filing of this Electronic Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02-2666. Applicants respectfully request that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record.

Signature

Examiner Name	Date
R. Eumore	9-30-2004

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Application Number	09/752,587
Filing Date	December 27, 2000
First Named Inventor	Uhlig, Richard
Group Art Unit	2187
Examiner Name	K. Takeguchi R. Elmore

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Attorney Docket No: 042390.P09768 Technology Center 2100

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date if Appropriate
RIE	US-4,319,323	03/09/1982	Ermolovich, Thomas R., et al.	711	100	04/04/1980
RIE	US-4,759,064	07/19/1988	Chaum,	380	30	10/07/1985
RIE	US-4,795,893	01/03/1989	Ugon, Michael	235	382	07/10/1987
RIE	US-4,825,052	04/25/1989	Chemin, Francois, et al.	235	380	12/30/1986
RIE	US-4,907,270	03/06/1990	Hazard, Michel	213	181	03/10/1998
RIE	US-4,907,272	03/06/1990	Hazard, Michel	205	65	03/10/1998
RIE	US-4,910,774	03/20/1990	Barakat, Simon	205	67	07/08/1998
RIE	US-5,007,082	04/09/1991	Cummins, Mary T.			02/26/1990
RIE	US-5,434,999	07/18/1995	Goire, Christian, et al.	717	167	
RIE	US-5,442,645	08/15/1995	Ugon, Michel, et al.	714	736	
RIE	US-5,459,867	10/17/1995	Adams, Phillip M., et al.	719	321	09/30/1993
RIE	US-5,528,231	06/18/1996	Patarin, Jacques	340	5.8	
RIE	US-5,533,126	07/02/1996	Hazard, Michel, et al.	213	187	
RIE	US-5,566,323	10/15/1996	Ugon, Michel	711	154	
RIE	US-5,606,617	02/25/1997	Brands, Stefanus A.	380	30	10/14/1994
RIE	US-5,720,609	02/24/1998	Pfefferle, William C.	431	326	
RIE	US-5,721,222	02/24/1998	Bernstein, Peter R., et al.	514	89	
RIE	US-5,796,835	08/18/1998	Saada, Charles	713	172	
RIE	US-5,867,577	02/02/1999	Patarin, Jacques	205	67	
RIE	US-5,900,606	05/04/1999	Rigal, Vincent	235	375	
RIE	US-5,901,225	05/04/1999	Ireton, Mark A., et al.	714	7	12/05/1996
RIE	US-5,903,752	05/11/1999	Dingwall, Thomas J., et al.	718	103	
RIE	US-5,970,147	10/19/1999	Davis, Derek L., et al.	713	172	09/30/1997
RIE	US-6,061,794	05/09/2000	Angelo, Michael E.	713	200	09/30/1997
RIE	US-6,092,095	07/18/2000	Maytal, Benjamin	718	100	12/30/1996
RIE	US-6,115,816	09/05/2000	Davis, Derek L.	713	153	05/18/1998
RIE	US-6,212,635	04/03/2001	Reardon, David C.	713	165	07/14/1998
RIE	US-6,222,923	04/24/2001	Schwenk, Joerg	380	44	12/15/1997
RIE	US-6,252,650	06/26/2001	Nakaumra, Kouji	355	69	08/28/2000
RIE	US-6,269,392	07/31/2001	Cotichini, Christian, et al.	209	200	06/09/1997
RIE	US-6,308,270	10/23/2001	Guthery, Scott B., et al.	713	200	
RIE	US-6,330,670	12/11/2001	England, Paul, et al.	713	2	01/08/1999
RIE	US-6,357,004	03/12/2002	Davis, Derek L.	713	100	09/30/1997

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DATE CONSIDERED *9-30-2004*

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Application Number	09/752,587
Filing Date	December 27, 2000
First Named Inventor	Uhlig, Richard
Group Art Unit	2187
Examiner Name	K. Takeguchi - R. Elmore

Attorney Docket No: 042390.P09768

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R1E	US-6,363,485	03/26/2002	Adams, Carlisle	713	186	09/09/1998
R1E	US-6,374,286	04/16/2002	Gee, John K., et al.	718	108	04/06/1998
R1E	US-6,378,072	04/23/2002	Collins, Thomas, et al.	713	187	02/03/1998
R1E	US-6,389,537	05/14/2002	Davis, Derek L., et al.	713	187	04/23/1999
R1E	US-6,412,035	06/25/2002	Webber, Victor	710	261	01/29/1998
R1E	US-6,421,702	07/16/2002	Gulick, Dale E.	718	102	06/09/1998
R1E	US-6,435,416	08/20/2002	Slassi, Tarik	235	492	
R1E	US-6,445,797	09/03/2002	McGough, Paul, et al.	380	285	12/16/1998
R1E	US-6,463,535	10/08/2002	Drews, Paul C., et al.	713	176	10/05/1998
R1E	US-6,463,537	10/08/2002	Tello, Jose A.	713	182	01/04/1999
R1E	US-6,507,904	01/14/2003	Ellison, Carl M., et al.	712	229	03/31/2000
R1E	US-6,535,988	03/18/2003	Poisner, David L.	713	500	09/29/1999
R1E	US-6,557,104	04/29/2003	Vu, Son T., et al.	713	189	05/02/1997
R1E	US-6,633,963	10/14/2003	Ellison, Carl M., et al.	713	163	07/18/2000
R1E	US-6,633,981	10/14/2003	Davis, Derek L.	713	189	06/18/1999

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
R1E	EP-EP0473913	03/11/1992	Farrell, Joel A.			
R1E	WO-WO0127723	04/19/2001	Vamvakas, Athanasia, et al.			
R1E	WO-WO0175564	10/11/2002	Herbert, Howard C., et al.			
R1E	WO-WO02086684	10/31/2002	Proudler, Graeme J.			
R1E	WO-WO0217555	02/28/2002	Ford, Warwick			

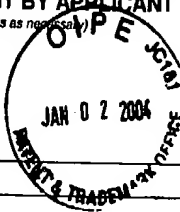
OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
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R1E		BRANDS, STEFAN, "Restrictive Blinding of Secret-Key Certificates", SPRINGER-VERLAG XP002201306, (1995), Chapter 3	
R1E		DAVIDA, GEORGE I., et al., "Defending Systems Against Viruses through Cryptographic Authentication", Proceedings of the Symposium on Security and Privacy, IEEE Comp. Soc. Press, ISBN 0-8186-1939-2, (May 1989),	
R1E		LUKE, JAHN, et al., "Replacement Strategy for Aging Avionics Computers", IEEE AES Systems Magazine, XP002190614, (March 1999),	
R1E		MENEZES, OORSCHOT, "Handbook of Applied Cryptography", CRC Press LLC, USA XP002201307, (1997), 475	
R1E		RICHT, STEFAN, et al., "In-Circuit-Emulator Wird Echtzeitauglich", Elektronik, Franzis Verlag GMBH, Munchen, DE, Vol. 40, No. 16, XP000259620, (100-103), 8-6-1991	
R1E		SAEZ, SERGIO, et al., "A Hardware Scheduler for Complex Real-Time Systems", Proceedings of the IEEE International Symposium on Industrial	

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DATE CONSIDERED 9-30-2004

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Application Number	09/752,587
Filing Date	December 27, 2000
First Named Inventor	Uhlig, Richard
Group Art Unit	2187
Examiner Name	K. Takeguchi
Attorney Docket No: 042390.P09768	

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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RIE		Electronics, XP002190615, (July 1999), 43-48	
RIE		SHERWOOD, TIMOTHY, et al., "Patchable Instruction ROM Architecture", Department of Computer Science and Engineering, University of California, San Diego, La Jolla, CA, (Nov. 2001),	

EXAMINER R. Elmore DATE CONSIDERED 9-30-2004

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